

## **October 2011**

**Saturday October 1<sup>st</sup>, All About Tracks:** Bring the family out to Red Rock for a program with Jenny all about tracks and the animals that make them! Kids will get to see and learn about animal tracks through stories, activities, music and a craft. If the weather is good, we will be outside, so wear sturdy shoes, sunscreen, and bring water for a short hike! Ages 2-7. Limited space.

**Saturday October 1<sup>st</sup>, Mascot Max:** Come out to Red Rock Canyon NCA and meet "Mascot Max," a representation of Mojave Max, and learn some interesting facts about Nevada's State Reptile, the Desert Tortoise! No sign ups necessary.

**Saturday October 1<sup>st</sup>, Astronomy Program-"Jupiter-King of the Planets":** The Las Vegas Astronomical Society will have member telescopes to view objects in our night sky. The subject will be "Jupiter-King of the Planets." Bring your own telescope or binoculars if you have them. Also, you may bring chairs for comfort, snacks and water. This family event will be from 6pm-10pm, however you may arrive later or leave earlier. Gates close at 7pm, so arrive before then. No sign ups.

**Sunday October 2<sup>nd</sup>, Fossil Ridge Hike:** This is an easy to moderate hike with a great view of the Red Rock escarpment. Why is Fossil Ridge great and not colored as the sandstone across the road? What desert is Red Rock a part of? We'll hike up Fossil Ridge and down Fossil Canyon to find out! Easy to moderate, 3 miles. Ages 10+. Limited space.

**Monday October 3<sup>rd</sup>, Calico Tanks Geology and Nature Hike:** Join geologist Nick S. and naturalist Jen V. on a moderately strenuous scenic hike to Calico Tanks. Nick S. will explain the geology and Jen V. will point out the plants and wildlife on one of the most popular trails in Red Rock. The trail goes through colorful sandstone formations to a natural tank, called a tinaja, on top of the ridge. There is also an overlook at the top with a nice view to the east. 3 miles, 400 feet elevation gain. Ages 12+. Limited space.

**Monday October 3<sup>rd</sup>, First Creek Night Hike:** A half-full moon will be visible tonight, making it the perfect setting to view the sky and appreciate the wonder and vastness of our universe. Join Aaron as we follow First Creek to a seasonal waterfall, learning about some nocturnal animals along the way. Moderate, 2.5 miles. Some scrambling. Bring a flashlight! Ages 10+. Limited space.

**Monday October 3<sup>rd</sup>, Animals of Red Rock Table Top:** During your visit to Red Rock Canyon, stop by the Visitor Center to see a special table top exhibit from Jenny all about some of the animals of Red Rock. No sign ups necessary, just stop by for a few minutes! 1:30-2:30pm.

**Tuesday October 4<sup>th</sup>, RRC Venomous Animals and Reptiles:** View the types of venomous animals, as well as reptiles, found in the Red Rock Canyon NCA. Understand the nature of the threats venomous animals pose in RRC and what to do if you encounter any one of these animals. Living and preserved specimens will be on display and discussion and questions are encouraged. No sign ups necessary. 11:00am to 12:30pm in the Visitor Center.

**Wednesday October 5<sup>th</sup>, Birding at Red Spring:** Join Jen V. to seek out some fall migrant birds. We'll go around the boardwalk, climb a hill and explore beyond in the beautiful Calico Basin hills. Bring your birding checklist! Easy to moderate, 2-3 miles. Ages 12+. Limited space.

**Friday October 7<sup>th</sup>, Calico Basin:** This picturesque hike with Dr. Bob includes colorful rock formations, three springs, Echo Canyon, birds, reptiles, many plants, and a good opportunity to hike on a great fall day. Easy to moderate, 3 miles. Limited space.

**Saturday October 8<sup>th</sup>, All About Backbones:** Bring the family out to Red Rock for a program with Jenny all about animals with backbones! Kids will get to see and learn about vertebrates and some things that make them special through stories, activities, music and a craft. If the weather is good, we will be outside, so wear sturdy shoes, sunscreen, and bring water for a short hike! Ages 2-7. Limited space.

**Sunday October 9<sup>th</sup>, Lone Grapevine Spring:** This picturesque hike with Dr. Bob and Liz is ideal for early fall and gives a different look to the colorful rock formations of RRC. Springs, birds and many plants may also be observed. Easy to moderate, 4 miles. Limited space.

**Monday October 10<sup>th</sup>, Geology, Plants & Wildlife of White Rock Loop:** Come along with Jen V. and Nick S. for a great morning of geological history, plant identification and wildlife seeking. This hike will be either 6 miles, or you can opt out for the shorter 4 miles by parking your car at the White Rock Springs parking lot and carpooling to Willow Springs, where we will begin the hike. Moderate, 4-6 miles. Ages 12+. Limited space.

**Monday October 10<sup>th</sup>, Gateway Canyon Overlook Full Moon Hike:** There's more to Las Vegas than the stars on The Strip! Join Aaron as we explore the beautiful night sky in the Sandstone Quarry area. We will learn about stars, and then end our hike at a beautiful overlook in the city. Bring a flashlight! Moderate, 3 miles. Some scrambling. Ages 10+. Limited space.

**Monday October 10<sup>th</sup>, Animals of Red Rock Table Top:** During your visit to Red Rock Canyon, stop by the Visitor Center to see a special table top exhibit from Jenny all about some of the animals of Red Rock. No sign ups necessary, just stop by for a few minutes! 1:30-2:30pm.

**Tuesday October 11<sup>th</sup>, Art Naturally:** Come try painting at Red Rock with Jenny! This Tuesday, bring yourself and a love for nature as we create a masterpiece worth showing off! This is a "no pressure," all fun art class! No experience necessary and all supplies are included! Ages 15+. Limited space.

**Tuesday October 11<sup>th</sup>, RRC Venomous Animals and Reptiles:** View the types of venomous animals, as well as reptiles, found in the Red Rock Canyon NCA. Understand the nature of the threats venomous animals pose in RRC and what to do if you encounter any one of these animals. Living and preserved specimens will be on display and discussion and questions are encouraged. No sign ups necessary. 11:00am to 12:30pm in the Visitor Center.

**Wednesday October 12<sup>th</sup>, Documentary Movie and Fossil Ridge Hike:** Join geologist Nick S. to view a Discovery Channel documentary entitled "The Day the Earth Almost Died," about the great Permian mass extinction. Following the film, we will hike up to the Permian-Triassic contact on Fossil Ridge. The Permian fossils we will see are the innocent remains of a world soon to be destroyed. Also, great scenic views of Red Rock Canyon. Moderate, 2.5 miles. Ages 10+. Limited space.

**Friday October 14<sup>th</sup>, Canyon Clean Up:** Join Janis in an effort to help keep Red Rock Canyon NCA clean and beautiful! We will pick a trail to clean up trash, enjoy the scenery and meet new people! Easy. All ages. Limited space.

**Saturday October 15<sup>th</sup>, All About Spiders:** Bring the family out to Red Rock for a program with Jenny all about spiders! Kids will get to see and learn about spiders through stories, activities, games, music and a craft. If the weather is good, we will be outside, so wear comfortable shoes, sunscreen, and water for a short hike. Ages 2-7. Limited space.

**Saturday October 15<sup>th</sup>, Earth Tones:** Kids and adults will love to swirl and twirl their paintbrushes at this nature-based art class! We will also use music to get into the rhythm of Red Rock and get moving. So bring the whole family out to dive into a world of color and creativity through painting! No experience necessary, all supplies are included! Ages 4+. Limited space.

**Sunday October 16<sup>th</sup>, Exploring Red Cap Loop:** One of George's favorite hikes in the Calico Hills, as it is short, challenging and most of all fun! From Sandstone Quarry, we will trek to the east side of Red Cap, then scramble to a tinaja and over to a peak that overlooks Calico Tanks and Calico Basin. Then it is off to Red Cap! We will descend via the Calico Tanks trail and back to the Sandstone Quarry parking area. Strenuous, 3 miles. Rock scrambling; for experienced hikers. Ages 15+. Limited space.

**Sunday October 16<sup>th</sup>, Pine Creek Hike:** Come experience the beauty of Red Rock Canyon with Liz and Dr. Bob. In Pine Creek we will find the lowest elevation for Pinyon Pine trees, as well as some interesting history of the Las Vegas valley. We will come across the Wilson's homestead and we will talk about their garden. Moderate, 3.3 miles. Ages 12+. Limited space.

**Monday October 17<sup>th</sup>, Autumn Colors of La Madre Spring:** Come along with Jen V. and discover the fall colors of La Madre Spring trail. We'll explore the plants and wildlife along the way on this moderate three mile hike. Ages 12+. Limited space.

**Monday October 17<sup>th</sup>, Animals of Red Rock Table Top:** During your visit to Red Rock Canyon, stop by the Visitor Center to see a special table top exhibit from Jenny all about some of the animals of Red Rock. No sign ups necessary, just stop by for a few minutes! 1:30-2:30pm.

**Monday October 17<sup>th</sup>, Badger Pass Star Hike:** Badger Pass is one of the darkest parts of the Conservation Area, making it a great place to explore the night sky. Join Aaron to watch the day fade away and the constellations appear. Bring a flashlight! Moderate, 3 miles. Ages 10+. Limited space.

**Tuesday October 18<sup>th</sup>, RRC Venomous Animals and Reptiles:** View the types of venomous animals, as well as reptiles, found in the Red Rock Canyon NCA. Understand the nature of the threats venomous animals pose in RRC and what to do if you encounter any one of these animals. Living and preserved specimens will be on display and discussion and questions are encouraged. No sign ups necessary. 11:00am to 12:30pm in the Visitor Center.

**Wednesday October 19<sup>th</sup>, Colors of Red Rock Canyon Jewelry Making:** Join Jen V. in this exciting on-going jewelry making workshop. The beautiful colors of Red Rock Canyon inspire us to create earrings, necklaces, and bracelets. We learn a new trick in each class! No experience necessary and all materials will be provided. Ages 12+. Limited space.

**Saturday October 22<sup>nd</sup>, All About Owls:** Bring the family out to Red Rock for a program with Jenny all about owls! Kids will get to learn about owls through stories, activities, music and a craft. If the weather

is good, we will be outside, so wear sturdy shoes, sunscreen, and bring water for a short hike! Ages 2-7. Limited space.

**Saturday October 22<sup>nd</sup>, Corn Creek Spring Walk:** Corn Creek Spring rises to the surface at a fault and feeds three ponds at this headquarters of the Desert National Wildlife Refuge. It is a major bird watching area and is prime habitat for aquatic plants and animals. Join Dr. Bob during the morning to observe all these creatures in a surprising and historical setting. Easy, ½ mile. Limited space.

**Sunday October 23<sup>rd</sup>, La Madre Springs Geology and Nature Hike:** La Madre Springs hike offers a variety of things to see. From the beautiful La Madre Mountain, to the possibility of spotting Bighorn Sheep at the year-round pond, to viewing the best exposure of the Keystone Thrust Fault. Come experience Red Rock Canyon with Liz and Nick S. Moderate, 3.3 miles. Ages 12+. Limited space.

**Monday October 24<sup>th</sup>, Spooky Tales and Hike to Lost Creek:** Join Jen V. for this beloved 1 mile hike to Lost Creek. We'll stop at the "waterfall" and read some Spooky Tales of the Southwest in preparation for Halloween. Easy, 1 mile. Ages 5+. Limited space.

**Monday October 24<sup>th</sup>, Pine Creek Night Hike:** Full of tall trees, flowing water, and colorful scenery, Pine Creek is one of the most beautiful spots in Red Rock Canyon. Join Aaron beneath the light of the stars to explore the area on this night hike. Bring a flashlight! Moderate, 3 miles. Ages 10+. Limited space.

**Monday October 24<sup>th</sup>, Animals of Red Rock Table Top:** During your visit to Red Rock Canyon, stop by the Visitor Center to see a special table top exhibit from Jenny all about some of the animals of Red Rock. No sign ups necessary, just stop by for a few minutes! 1:30-2:30pm.

**Tuesday October 25<sup>th</sup>, Art Naturally:** Come try painting at Red Rock with Jenny! This Tuesday, bring yourself and a love for nature as we create a masterpiece worth showing off! This is a "no pressure," all fun art class! No experience necessary and all supplies are included! Ages 15+. Limited space.

**Tuesday October 25<sup>th</sup>, RRC Venomous Animals and Reptiles:** View the types of venomous animals, as well as reptiles, found in the Red Rock Canyon NCA. Understand the nature of the threats venomous animals pose in RRC and what to do if you encounter any one of these animals. Living and preserved specimens will be on display and discussion and questions are encouraged. No sign ups necessary. 11:00am to 12:30pm in the Visitor Center.

**Friday October 28<sup>th</sup>, Canyon Clean Up:** Join Janis in an effort to help keep Red Rock Canyon NCA clean and beautiful! We will pick a trail to clean up trash, enjoy the scenery and meet new people! Easy. All ages. Limited space.

**Sunday October 30<sup>th</sup>, Exploring Calico Hills and Tanks:** We'll start our scrambling adventure with George at the second pullout. We'll scramble to an overlook, looking down at spectacular views of Red Rock Canyon and the Scenic Drive far below. We'll explore the tanks and have lunch. We will hike down the ridgeline to the saddle and scramble to the trail. Strenuous, 3 miles. Rock scrambling. Ages 15+. Limited space.

**Monday October 31<sup>st</sup>, Nevada Day- Nevada History Tabletop:** Come and check out the tabletop showing some Nevada history and celebrating our state's birthday! Jen V. will have her table

presentation in the Visitor Center from 10am to 1pm. Stop by for a few minutes during your visit to Red Rock Canyon to learn about Nevada history! Easy, good for all ages. No sign ups necessary.

## **November 2011**

**Tuesday November 1<sup>st</sup>, RRC Venomous Animals and Reptiles:** View the types of venomous animals, as well as reptiles, found in the Red Rock Canyon NCA. Understand the nature of the threats venomous animals pose in RRC and what to do if you encounter any one of these animals. Living and preserved specimens will be on display and discussion and questions are encouraged. No sign ups necessary. 11:00am to 12:30pm in the Visitor Center.

**Wednesday November 2<sup>nd</sup>, Colors of Red Rock Canyon Jewelry Making:** Come and join the jewelry making circle of Red Rock and create a beautiful beaded or wire-wrapped piece of jewelry using the colors of Red Rock Canyon this on-going workshop. Beginners and beyond are welcome. No experience necessary. All materials will be provided, but you can bring your own beads and tools if you have them. Ages 12+. Limited space.

**Saturday November 5<sup>th</sup>, All About Wild Animals:** Bring the family out to Red Rock for a program with Jenny all about wildlife of the Mojave Desert! Kids will get to see and learn about animals through stories, activities, music and a craft. If the weather is good, we will be outside, so wear sturdy shoes, sunscreen, and bring water for a short hike! Ages 2-7. Limited space.

**Saturday November 5<sup>th</sup>, Mascot Max:** Come out to Red Rock Canyon NCA and meet "Mascot Max," a representation of Mojave Max, and learn some interesting facts about Nevada's State Reptile, the Desert Tortoise! No sign ups necessary.

**Sunday November 6<sup>th</sup>, White Rock Loop:** Bring your dogs and kids for this 6-mile hike with George. This hike is must for almost all levels of hikers. It's enjoyable and a great way to exercise with breathtaking views around White Rock mountain. We'll have lunch overlooking the valley. There will be an option for a shorter, 4.7 mile hike for those interested. Easy to moderate, 4.7-6 miles. Ages 10+. Limited space.

**Monday November 7<sup>th</sup>, Plants, Wildlife and Geology of Calico Hills:** Come along with Jen V. and Nick S. on this up-close and personal tour of the Calico Hills for a 6 mile hike from the Visitor Center to Sandstone Quarry and back. We'll see some awesome geologic features and surprises in the plant and animal communities. Moderate, 6 miles. Ages 12+. Limited space.

**Monday November 7<sup>th</sup>, Calico 1 Full Moon Hike:** The Calico 1 trail is directly in the middle of Red Rock Canyon, giving it great views in all directions. This makes it a great place to see the sun fade away and the full moon pass across the sky. Join Aaron to experience a different side of Red Rock Canyon. Bring a flashlight! Moderate, 3 miles. Some scrambling. Ages 10+. Limited space.

**Monday November 7<sup>th</sup>, Animals of Red Rock Table Top:** During your visit to Red Rock Canyon, stop by the Visitor Center to see a special table top exhibit from Jenny all about some of the animals of Red Rock. No sign ups necessary, just stop by for a few minutes! 1:30-2:30pm.

**Tuesday November 8<sup>th</sup>, Art Naturally:** Come try painting at Red Rock with Jenny! This Tuesday, bring yourself and a love for nature as we create a masterpiece worth showing off! This is a "no pressure," all fun art class! No experience necessary and all supplies are included! Ages 15+. Limited space.

**Tuesday November 8<sup>th</sup>, RRC Venomous Animals and Reptiles:** View the types of venomous animals, as well as reptiles, found in the Red Rock Canyon NCA. Understand the nature of the threats venomous animals pose in RRC and what to do if you encounter any one of these animals. Living and preserved specimens will be on display and discussion and questions are encouraged. No sign ups necessary. 11:00am to 12:30pm in the Visitor Center.

**Wednesday November 9<sup>th</sup>, Birding at Red Spring:** Join Jen V. for some fall bird watching around the boardwalk and beyond. We'll put in approximately 2-3 miles for this gentle outing to search for our feathered friends of Calico Basin. Easy. Ages 12+. Limited space.

**Saturday November 12<sup>th</sup>, Pine Creek:** Enjoy Pine Creek's cool, trickling waters and ponderosa pine forest as we hike with Dr. Bob back to the old homestead, a nearby creek pool and beyond. Easy to moderate, 3 miles. Ages 6+. Limited space.

**Saturday November 12<sup>th</sup>, All About Animal Adaptations:** Bring the family out to Red Rock for a program with Jenny all about animal adaptations! Kids will get to see and learn through stories, activities, music and a craft. If the weather is good, we will be outside, so wear sturdy shoes, sunscreen, and bring water for a short hike! Ages 2-7. Limited space.

**Sunday November 13<sup>th</sup>, North Fork of Pine Creek:** From Pine Creek parking lot we'll hike to the North Fork of Pine Creek, then boulder and scramble up "Fern Canyon" to a water feature. Strenuous, 6 miles. Ages 12+. Limited space.

**Monday November 14<sup>th</sup>, Pine Creek Geology and Nature Hike:** Join geologist Nick S. and naturalist Jen V. on a moderate hike to Pine Creek. Nick will explain the geology and Jen V. will point out the plants and wildlife in one of the most beautiful canyons cutting into the Wilson Cliffs. Moderate, 3 miles. Ages 12+. Limited space.

**Monday November 14<sup>th</sup>, Fossil Ridge Star Hike:** Fossil Ridge is one of the most beautiful and diverse places in the Rock. Overlooking the canyon, this is a great place to see the desert night unfold. Join Aaron here for a 2.5 mile hike to learn the stories behind the constellations and the moon. Bring a flashlight! Moderate, 2.5 miles. Ages 10+. Limited space.

**Monday November 14<sup>th</sup>, Animals of Red Rock Table Top:** During your visit to Red Rock Canyon, stop by the Visitor Center to see a special table top exhibit from Jenny all about some of the animals of Red Rock. No sign ups necessary, just stop by for a few minutes! 1:30-2:30pm.

**Tuesday November 15<sup>th</sup>, RRC Venomous Animals and Reptiles:** View the types of venomous animals, as well as reptiles, found in the Red Rock Canyon NCA. Understand the nature of the threats venomous animals pose in RRC and what to do if you encounter any one of these animals. Living and preserved specimens will be on display and discussion and questions are encouraged. No sign ups necessary. 11:00am to 12:30pm in the Visitor Center.

**Wednesday November 16<sup>th</sup>, Colors of Red Rock Canyon Jewelry Making:** Bring your creativity to this fun on-going workshop with Jen V. where we will focus on using the beautiful colors of Red Rock Canyon in our designs. We'll be working on some holiday gifts! All materials provided, but you can bring your own favorite beads, findings and tools if you have them. No experience necessary. Ages 12+. Limited space.

**Friday November 18<sup>th</sup>, Canyon Clean Up:** Join Janis in an effort to help keep Red Rock Canyon NCA clean and beautiful! We will pick a trail to clean up trash, enjoy the scenery and meet new people! Easy. All ages. Limited space.

**Saturday November 19<sup>th</sup>, All About Turkeys:** In the spirit of Thanksgiving, bring the family out to Red Rock for a program with Jenny all about turkeys! Kids will get to see and learn about turkeys through stories, activities, games, music and a craft. If the weather is good, we will be outside, so wear comfortable shoes, sunscreen, and water for a short hike. Ages 2-7. Limited space.

**Saturday November 19<sup>th</sup>, Earth Tones:** Kids and adults will love to swirl and twirl their paintbrushes at this nature-based art class! We will also use music to get into the rhythm of Red Rock and get moving. So bring the whole family out to dive into a world of color and creativity through painting! No experience necessary, all supplies are included! Ages 4+. Limited space.

**Sunday November 20<sup>th</sup>, Muddy Mountain Wilderness North Bowl of Fire:** This 3.3 mile round trip hike with George is one of the best in the North Bowl of Fire. We'll hike by the Ant Eater Rock, pass under Dark Vader Helmet and lunch with an awesome view of the valley and area. After lunch we'll go through the Rabbit's Hole, and cross "Little Grand Canyon." Why is Muddy Mountain Peak grey? What makes Aztec Sandstone red, white, and lavender? Come along to find out! Moderate to strenuous, 3.3 miles. Ages 12+. Limited space. This hike is NOT in Red Rock Canyon, but rather the Lake Mead area.

**Monday November 21<sup>st</sup>, The Muffins Geology Hike:** Join geologist Nick S. on a moderately strenuous hike to "The Muffins." The Muffins are made of Triassic conglomerate overlying the Permian limestone. They are located at the north end of Blue Diamond Hill across the road from the Visitor Center. Access is through "Skull Canyon," with great views from the top of the ridge. Moderately strenuous, 5 miles. Ages 12+. Limited space.

**Monday November 21<sup>st</sup>, Echo Canyon Star Hike:** No moon will rise this evening, making this dark night a particularly good time to view the night sky. Join Aaron on this moderate 3 mile program to learn the autumn constellations and some of the famous stories behind them. We will scramble up a beautiful canyon and return on Fossil Ridge. Bring a flashlight! Moderate, 3 miles. Ages 10+. Limited space.

**Monday November 21<sup>st</sup>, Animals of Red Rock Table Top:** During your visit to Red Rock Canyon, stop by the Visitor Center to see a special table top exhibit from Jenny all about some of the animals of Red Rock. No sign ups necessary, just stop by for a few minutes! 1:30-2:30pm.

**Tuesday November 22<sup>nd</sup>, Art Naturally:** Come try painting at Red Rock with Jenny! This Tuesday, bring yourself and a love for nature as we create a masterpiece worth showing off! This is a "no pressure," all fun art class! No experience necessary and all supplies are included! Ages 15+. Limited space.

**Tuesday November 22<sup>nd</sup>, RRC Venomous Animals and Reptiles:** View the types of venomous animals, as well as reptiles, found in the Red Rock Canyon NCA. Understand the nature of the threats venomous

animals pose in RRC and what to do if you encounter any one of these animals. Living and preserved specimens will be on display and discussion and questions are encouraged. No sign ups necessary. 11:00am to 12:30pm in the Visitor Center.

**Saturday November 26<sup>th</sup>, All About Mammals:** Bring the family out to Red Rock for a program with Jenny all about mammals! Kids will get to see and learn about mammals through stories, activities, games, music and a craft. If the weather is good, we will be outside, so wear comfortable shoes, sunscreen, and water for a short hike. Ages 2-7. Limited space.

**Sunday November 27<sup>th</sup>, Brownstone Canyon Geology Hike:** Join geologist Nick S. on a strenuous hike to Brownstone Canyon, north of Turtlehead Peak. The route starts at Sandstone Quarry and goes over the divide west of the peak, and returns through the drainage east of the peak. The route goes through some of the most remote Jurassic sandstone terrain in Red Rock. Strenuous, 5 miles. Some rock scrambling. Ages 12+. Limited space.

**Monday November 28<sup>th</sup>, White Rock Loop:** Come along with Jen V. on this wonderful 6 mile hike where we'll explore the many life zones and plants and animals of Red Rock Canyon. Moderate, 6 miles. Ages 12+. Limited space.

**Monday November 28<sup>th</sup>, Animals of Red Rock Table Top:** During your visit to Red Rock Canyon, stop by the Visitor Center to see a special table top exhibit from Jenny all about some of the animals of Red Rock. No sign ups necessary, just stop by for a few minutes! 1:30-2:30pm.

**Tuesday November 29<sup>th</sup>, RRC Venomous Animals and Reptiles:** View the types of venomous animals, as well as reptiles, found in the Red Rock Canyon NCA. Understand the nature of the threats venomous animals pose in RRC and what to do if you encounter any one of these animals. Living and preserved specimens will be on display and discussion and questions are encouraged. No sign ups necessary. 11:00am to 12:30pm in the Visitor Center.

**Wednesday November 30<sup>th</sup>, Exploring the Moenkopi:** Join Jen V. on this fun and beautiful trail along an ancient sea bed. Great views at the top of the ridge! This is a great "first time" at Red Rock hike! Easy, 2 miles. Ages 8+. Limited space.

## **December 2011**

**Saturday December 3<sup>rd</sup>, All About Desert Tortoises:** Bring the family out to Red Rock for a program with Jenny all about Desert Tortoises! Kids will get to learn through stories, activities, music and a craft. If the weather is good, we will go outside, so wear sturdy shoes, sunscreen, and bring water for a short hike! Ages 2-7. Limited space.

**Saturday December 3<sup>rd</sup>, Mascot Max:** Come out to Red Rock Canyon NCA and meet "Mascot Max," a representation of Mojave Max, and learn some interesting facts about Nevada's State Reptile, the Desert Tortoise! No sign ups necessary.

**Sunday December 4<sup>th</sup>, Exploring Sandstone Quarry Arch and More:** On this three-mile trek with George, we'll hike to the arch, then scramble and explore Calico Hills. We'll trek, scramble, and slide down dry waterfalls and back to Sandstone Quarry. Moderate, 3 miles. Ages 12+. Limited space.



**Monday December 5<sup>th</sup>, Calico Basin to Gateway Canyon Geology and Nature Hike:** Join geologist Nick S. and naturalist Jen V. on a 4-mile hike from the Calico Basin to and through Gateway Canyon. This area has an excellent exposure of the Red Spring Thrust Fault and stunning Red Rock sandstone formations. Moderately strenuous, 4 miles. Some rock scrambling. Ages 10+. Limited space.

**Monday December 5<sup>th</sup>, Animals of Red Rock Table Top:** During your visit to Red Rock Canyon, stop by the Visitor Center to see a special table top exhibit from Jenny all about some of the animals of Red Rock. No sign ups necessary, just stop by for a few minutes! 1:30-2:30pm.

**Monday December 5<sup>th</sup>, Red Springs (Almost) Full Moon Hike:** Red Springs is the essence of the canyon, full of colorful mountains, lush vegetation, and flowing springs. This makes it a great place for a night hike! With the almost full moon at our backs and the stars above us, join Aaron for this evening program. Bring a flashlight! Moderate, 3 miles. Some scrambling. Ages 10+. Limited space.

**Tuesday December 6<sup>th</sup>, RRC Venomous Animals and Reptiles:** View the types of venomous animals, as well as reptiles, found in the Red Rock Canyon NCA. Understand the nature of the threats venomous animals pose in RRC and what to do if you encounter any one of these animals. Living and preserved specimens will be on display and discussion and questions are encouraged. No sign ups necessary. 11:00am to 12:30pm in the Visitor Center.

**Thursday December 8<sup>th</sup>, First Creek Hike:** Join Liz on a nice walk to the waterfall in First Creek. We will observe the beautiful rock formations, look for birds, reptiles, plants and maybe even a few burros, Moderate, 3 miles. Ages 10+. Limited space.

**Friday December 9<sup>th</sup>, Canyon Clean Up:** Join Janis in an effort to help keep Red Rock Canyon NCA clean and beautiful! We will pick a trail to clean up trash, enjoy the scenery and meet new people! Easy. All ages. Limited space.

**Saturday December 10<sup>th</sup>, All About Bird Beaks:** Bring the family out to Red Rock for a program with Jenny all about birds and how they use their beaks to survive! Kids will get to learn about birds through stories, activities, music and a craft. If the weather is good, we will be outside, so wear sturdy shoes, sunscreen, and bring water for a short hike! Ages 2-7. Limited space.

**Sunday December 11<sup>th</sup>, Fossil Ridge Hike:** Join Liz on a hike where we can see beautiful views of Red Rock Canyon. We can take a look back into history. We'll view rocks and fossils formed during the Permian (250 million years ago), the age of the greatest extinction on Earth. We'll also view rocks formed later when the first dinosaurs appeared. Easy to moderate, 3 miles. Ages 10+. Limited space.

**Sunday December 11<sup>th</sup>, Exploring Red Cap Loop:** One of George's favorite hikes in the Calico Hills, as it is short, challenging and most of all fun! From Sandstone Quarry, we will trek to the east side of Red Cap, then scramble to a tinaja and over to a peak that overlooks Calico Tanks and Calico Basin. Then it is off to Red Cap! We will descend via the Calico Tanks trail and back to the Sandstone Quarry parking area. Strenuous, 3 miles. Rock scrambling; for experienced hikers. Ages 15+. Limited space.

**Sunday December 11<sup>th</sup>, Muffins Full Moon Hike:** Las Vegas is known for its stars, but the brightest light by far tonight will be the rising full moon. Join Aaron on this moderate/strenuous 4 mile night hike to a

viewpoint over the city. If our timing is good, we will arrive just as the moon is rising. Bring a flashlight! Moderate to strenuous, 4 miles. Ages 10+. Limited space.

**Monday December 12<sup>th</sup>, Potato Knoll/Oak Creek Canyon:** Join geologist Nick S. on a hike to Potato Knoll just south of Oak Creek Canyon. We will climb the knoll and investigate its origin and that of the Shinarump Conglomerate. The Shinarump Conglomerate was deposited in Triassic time when rivers flowed northerly across Southern Nevada. Moderate, 4.5 miles. Ages 10+. Limited space.

**Monday December 12<sup>th</sup>, Animals of Red Rock Table Top:** During your visit to Red Rock Canyon, stop by the Visitor Center to see a special table top exhibit from Jenny all about some of the animals of Red Rock. No sign ups necessary, just stop by for a few minutes! 1:30-2:30pm.

**Tuesday December 13<sup>th</sup>, Art Naturally:** Come try painting at Red Rock with Jenny! This Tuesday, bring yourself and a love for nature as we create a masterpiece worth showing off! This is a "no pressure," all fun art class! No experience necessary and all supplies are included! Ages 15+. Limited space.

**Tuesday December 13<sup>th</sup>, RRC Venomous Animals and Reptiles:** View the types of venomous animals, as well as reptiles, found in the Red Rock Canyon NCA. Understand the nature of the threats venomous animals pose in RRC and what to do if you encounter any one of these animals. Living and preserved specimens will be on display and discussion and questions are encouraged. No sign ups necessary. 11:00am to 12:30pm in the Visitor Center.

**Wednesday December 14<sup>th</sup>, Colors of Red Rock Canyon Jewelry Making:** Come and make some beautiful beaded and/or wire wrapped jewelry with Jen V. This is an on-going workshop where we get our inspiration for jewelry making from the beautiful colors of Red Rock Canyon. Beginners and beyond are welcome! Let's make this a holiday theme for the class. Most materials will be provided, however bring any of your favorite beads/findings to create your items that you already have. Ages 10+. Limited space.

**Saturday December 17<sup>th</sup>, All About Tree-Dwellers:** Bring the family out to Red Rock for a program with Jenny all about animals that use trees for shelter! Kids will get to see and learn about animals through stories, activities, music and a craft. If the weather is good, we will be outside, so wear sturdy shoes, sunscreen, and bring water for a short hike! Ages 2-7. Limited space.

**Saturday December 17<sup>th</sup>, Earth Tones:** Kids and adults will love to swirl and twirl their paintbrushes at this nature-based art class! We will also use music to get into the rhythm of Red Rock and get moving. So bring the whole family out to dive into a world of color and creativity through painting! No experience necessary, all supplies are included! Ages 4+. Limited space.

**Sunday December 18<sup>th</sup>, Documentary Movie and Fossil Ridge Hike:** Join geologist Nick S. to view a Discovery Channel documentary entitled "The Day the Earth Almost Died," about the great Permian mass extinction. Following the film, we will hike up to the Permian-Triassic contact on Fossil Ridge. The Permian fossils we will see are the innocent remains of a world soon to be destroyed. Also, great scenic views of Red Rock Canyon. Moderate, 2.5 miles. Ages 10+. Limited space.

**Sunday December 18<sup>th</sup>, How Do They Survive?:** Bring your children to learn about adaptations. Liz will introduce children to different types of animals and plants to see what kinds of adaptations they have developed in order to survive in the desert. Easy, ages 3-10. Limited space.

**Monday December 19<sup>th</sup>, Red Springs Star Hike:** Red Springs is the essence of the canyon, full of colorful mountains, lush vegetation, and flowing springs. This makes it a great place for a night hike! Join Aaron as we tour the area, learning about the constellations and the stories they tell. Bring a flashlight! Moderate, 3 miles. Ages 10+. Limited space.

**Monday December 19<sup>th</sup>, Animals of Red Rock Table Top:** During your visit to Red Rock Canyon, stop by the Visitor Center to see a special table top exhibit from Jenny all about some of the animals of Red Rock. No sign ups necessary, just stop by for a few minutes! 1:30-2:30pm.

**Tuesday December 20<sup>th</sup>, Art Naturally:** Come try painting at Red Rock with Jenny! This Tuesday, bring yourself and a love for nature as we create a masterpiece worth showing off! This is a "no pressure," all fun art class! No experience necessary and all supplies are included! Ages 15+. Limited space.

**Tuesday December 20<sup>th</sup>, RRC Venomous Animals and Reptiles:** View the types of venomous animals, as well as reptiles, found in the Red Rock Canyon NCA. Understand the nature of the threats venomous animals pose in RRC and what to do if you encounter any one of these animals. Living and preserved specimens will be on display and discussion and questions are encouraged. No sign ups necessary. 11:00am to 12:30pm in the Visitor Center.

**Sunday December 25<sup>th</sup>, Geology Hike to Red Spring Fault:** Join geologist Nick S. on a hike to the Red Spring Thrust Fault by way of the Turtlehead Peak trail. From Sandstone Quarry we follow the trail to the fault zone and walk back along the fault to the Calico Tanks trail. We will be able to hike along, and go *inside*, a fault zone, and enjoy beautiful Red Rock scenery. Moderate, 2.5 miles. Ages 10+. Limited space.

**Tuesday December 27<sup>th</sup>, RRC Venomous Animals and Reptiles:** View the types of venomous animals, as well as reptiles, found in the Red Rock Canyon NCA. Understand the nature of the threats venomous animals pose in RRC and what to do if you encounter any one of these animals. Living and preserved specimens will be on display and discussion and questions are encouraged. No sign ups necessary. 11:00am to 12:30pm in the Visitor Center.

**Friday December 30<sup>th</sup>, Canyon Clean Up:** Join Janis in an effort to help keep Red Rock Canyon NCA clean and beautiful! We will pick a trail to clean up trash, enjoy the scenery and meet new people! Easy. All ages. Limited space.